3. ☑ The drawings filed on 17 November 2003 are accepted by the Examiner. 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in Application No 4. ☐ Certified copies not received: Applicant has THREE MONTHS FROM THE *MAILING DATE* of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. ☐ CORRECTED DRAWNINGS (as *replacement sheets*) must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (c) ☐ Including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (d) ☐ Including changes requ	·	Application No.	Applicant(s)	
Frank S Tsay   3672		10/716,106	FINCHER ET AL.	
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MFEP 1300.  1. ☑ This communication is responsive to *Preliminary amendment filled on March 9, 2004.  2. ☑ The allowed claim(s) isfare 39-52.  3. ☑ The drawings filled on *17 November 2003* are accepted by the Examiner.  4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some* color of the:  1. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  **Certified copies on treceived:	Notice of Allowability	Examiner	Art Unit	
All claims being allowable, PROSECUTION ON THE MERTS IS (OR REMAINS) CLOSED in this application. If not included networth (or previously mailed,) a Notice of Allowance (PTOL-95) or other appropriate communication will be mailed under curse. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR. 1313 and MPEP 1303 and MPEP 1304.  2. A the allowed claim(s) is/are 39-52.  3. The drawings filed on 17 November 2003 are accepted by the Examiner.  4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b Some c) None of the:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  *Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PCT)-152) which gives reason(s) why the oath or declaration is deficient.  (a) including changes required by the Notice of Orantsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No./Mail Date 1/17(20).  Attachment(s)  1. Sold of References Cited (PTO-822)  2. Notice of References Cited (PTO-822)  3. Notice of References Cited (PTO-822)  3. Notice of References Cited (PTO-822)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/08).  Pa		Frank S Tsay	3672	
2. ☑ The allowed claim(s) is/are 39-52. 3. ☑ The drawings filed on 17 November 2003 are accepted by the Examiner. 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). *Certified copies not received: Applicant has THREE MONTH'S FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (b) ☐ International Date (c) ☐ International Date (d)	All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this applion or other appropriate communication IGHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
3.	1. 🛛 This communication is responsive to Preliminary amendme	ent filed on March 9, 2004.		
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some* c) None of the:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  1) hereto or 2) in Opper No /Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No /Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No /Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No /Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No /Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the front (not the back) or each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CPR 1.121(d).  7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's A	2. ☑ The allowed claim(s) is/are <u>39-52</u> .			
a)	3. $\boxtimes$ The drawings filed on <u>17 November 2003</u> are accepted by	the Examiner.		
1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1.  Notice of References Cited (PTO-892)  2.  Notice of Draftperson's Patent Drawing Review (PTO-948)  3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 11/17/03  4.  Examiner's Comment Regarding Requirement for Deposit  5.  Notice of Informal Patent Application (PTO-152)  6.  Interview Summary (PTO-413), Paper No./Mail Date 11/17/03  4.  Examiner's Comment Regarding Requirement for Deposit  6.  Examiner's Statement of Reasons for Allowance  9.  Other	a)  All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") must	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application.  hitted. Note the attached EXAMINER es reason(s) why the oath or declara	national stage applicational stage applicational stage application of the research of the stage application is deficient.	quirements
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 11/17/03 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  Frank S Tsay Primary Examiner	(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review ( PTO-	948) attached	
Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  7. □ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. □ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 92 20 7. ☑ Examiner's Amendment/Comment Paper No./Mail Date 11/17/03  4. □ Examiner's Comment Regarding Requirement for Deposit of Biological Material  Frank S Tsay Primary Examiner	·			
each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 11/17/03  4. Examiner's Comment Regarding Requirement for Deposit  of Biological Material  Frank S Tsay Primary Examiner	,,	s Amendment / Comment or in the C	Office action of	
attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 11/17/03  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  5. ☐ Notice of Informal Patent Application (PTO-152)  6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 121/07  7. ☒ Examiner's Amendment/Comment  8. ☒ Examiner's Statement of Reasons for Allowance  9. ☐ Other  Frank S Tsay Primary Examiner	Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawii he header according to 37 CFR 1.121(	ngs in the front (not the d).	e back) of
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>Interview Summary (PTO-413), Paper No./Mail Date</li></ol>				Note the
	Paper No./Mail Date <u>11/17/03</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	6. X Interview Summary Paper No./Mail Da  7. ⊠ Examiner's Amendr  8. ⊠ Examiner's Stateme	(PTO-413), te <u>J26</u> /04 ment/Comment ent of Reasons for Alle Frank S Tsay Primary Examiner	11

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Chandran Kumar on 5/26/04.

The application has been amended as follows:

In claims 40-44, the language " claim (1) " has been changed to: ---- claim 39-----

Claims 46-52, the language "claim (7)" has been changed to :---- claim 45-----.

Claims 39-52 are allowed

The following is an examiner's statement of reasons for allowance: The prior art of record at least fails to disclose or suggest a wellbore system for reducing annuls pressure comprising at least a pump coupled to the annulus of the wellbore for controlling the fluid pressure in the annulus at a pre-determined pressure..

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frank S Tsay whose telephone number is (703) 308-

Application/Control Number: 10/716,106 Page 3

Art Unit: 3672

2170. The examiner can normally be reached on Monday thru Friday, 7:30am-5:00 pm, 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David J Bagnell can be reached on (703)308-2151. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Frank S Tsay
Primary Examiner
Art Unit 3672

5/26/04